

**MATERIAL SAFETY DATA SHEET**

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Date: 07/12/04

LUXAN VERMIGON SEWER BLOCK

Supersedes: n/a

1. Identification of the product and the company

Name : LUXAN VERMIGON SEWER BLOCK
Identification of the Product : Rodenticide bait
Company identification : Luxan (UK) Ltd
Crown Business Park
Old Dalby
Leicestershire
LE14 3NQ
Tel: 0044 (0) 1664 820052
Fax: 0044 (0) 1664 820216
Email: enquiry@luxan.co.uk

Use : Rodenticide
Emergency Contacts : Luxan UK Ltd Tel: 0044 (0) 1664 820052. Luxan BV Tel: 0031 4813 60811
: National Poisons Information Service: 0870 600 6266 (UK only)
: Dublin : 00353 1379 964/379966
: Advice for veterinary surgeons : 020 7635 9195 (UK only)

2. Information on ingredients

| Hazardous Substances | % | CAS | EC-number | Hazard Symbols | R-phrases |
|----------------------|-------|------------|-----------|--------------------|-------------------|
| Bromadiolone | 0.005 | 28772-56-7 | 3027 | T ⁺ , N | 26/27/28-36-51/53 |
| RS | 0.001 | 40596-69-8 | 254-993-2 | N | 50 |
| Methoprene | | | | | |
| Bitrex | 0.002 | 3734-33-6 | 2230952 | Xn | 22 |

3. Hazard identification

Human health hazards: Harmful to health. Slight acute toxicity. Repeated exposure of the product reduces the coagulation capacity of blood which can lead to internal haemorrhage. *Hazard warning not required.*

Environmental hazard: Non-dangerous to the environment.

Occupational toxicity hazard: Slightly elevated.

4. First-aid measures

Skin contact: Remove contaminated clothing and thoroughly wash the affected parts of the body with soap and water.

Eye contact: Rinse eyes with clean water for several minutes.

Ingestion: Repeatedly administer medicinal charcoal in a large quantity of water.

Poisoning symptoms: Bleeding from nose and gums.

Medical advice: Remove the affected person from the danger zone to a well ventilated room or to a fresh air and protect from undercooling. Never give anything by mouth to an unconscious person. Do not induce vomiting.

Information for the physicians: Basic aid, decontamination, administration of antidote, in serious cases blood transfusion. In case of accidental contamination thoroughly wash body with soap and water. Determination of blood clotting time (i.e. "Quick method"). To restore blood clotting time give vitamin K1. Exchange transfusion of whole blood (as last resort) after blood-letting. Check coagulation rate by the "Quick method".

Antidote: **Vitamin K1.** Parenterally: 2 x 10 mg ampoules KONAKION ROCHE (i.v.) or Orally: Two 10 mg drinking ampoules KONAKION ROCHE (do not exceed 40 mg/day).

5. Fire-fighting measures

Extinguishing agents: Powder, foam, carbon dioxide, waterspray (do not use direct jet of water). Use respirator to protect from fumes. Suitable measures have to be taken to prevent the contaminated water from seeping into the ground or from spreading uncontrollably.

6. Accidental Release Measures

Personal precautions: Use the personal protective equipment listed in Chapter 8. Do not empty into drains or waters. Take up spilled product with dust-binding material or suitable vacuum cleaner. Avoid formation of dust. Fill materials taken up into closable container. To clean the floor and all objects contaminated by this material, use damp cloth. Also place used cleaning materials into closable receptacles.

7 Handling and storage

Handling requirements: Do not eat, drink or smoke during work. Wash hands after handling the product.

Storage conditions: Store in a cool and dry place. Protect from sun and humidity. For reason of quality assurance, keep dry at a temperature under 25-30°C. Susceptible to odour. Keep separate from substances giving off smells. Keep out of reach of children, unauthorised persons and animals. Keep away from food, drink and animal feeding stuffs. Keep away from heat, sources of ignition – No smoking. Keep container tightly closed original containers in a well ventilated room.

8. Exposure controls/personal protection

Avoid contact with skin, eyes and clothing. Avoid inhalation of dust. Do not eat, drink or smoke while working. Work in a well ventilated area.

Protective Equipment: (If contact with the product is possible). Heavy-duty cotton or synthetic fabric working clothes (e.g. overalls). Heavy-duty shoes or boots. Gloves In case of heavy exposure wear dust mask or face-shield.

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During work: After contamination immediately wash skin with soap and water. Clean soiled clothing. After eye contact flush eyes with clean water for several minutes. Change contaminated clothing. If possible indisposition occurs stop work and call a physician.

After work: Wash thoroughly (shower, bath, wash hair). Change clothing. Thoroughly clean protective wear. Thoroughly clean contaminated equipment with soap or soda solution.

Environment: Avoid contamination of surface water and drainage system.

9. Physical and chemical properties

State: Solid, disk or cube.
Viscosity: NA
Colour: Pink dyed
Melting point: NA
Odour: None
Vapour pressure: NA
Flammability: Combustible
Ignition temperature: NA
Solubility: In water – not soluble, In other solvents – ND
Explosive limit: NA
Corrosiveness: Non-corrosive

10. Stability and reactivity

Stability: Spontaneous reaction not possible.
Conditions to avoid: -
Materials to avoid: -
Haz. decomp. products: In the event of fire, the formulation of CO₂ must be anticipated. Product is stable under normal conditions.

11. Toxicological information

Acute Oral (rat): LD₅₀ ≥ 5000 mg/kg (calculation)
Acute Dermal (rat): LD₅₀ > 5000 mg/kg (calculation)
Acute Inhalation (rat): LC₅₀ > 10 mg/l (1 h/20°C) (calculation)
Eye irritation (rabbit): Presumably none (slight for the active ingredient)
Skin irritation (rabbit): None
Symptoms of poisoning: Haemorrhagic diathesis, haematuria, extended prothrombin time, abdominal pain, anaemia, shock.

12. Ecological information

Ecotoxicity: Birds/quail/acute oral LD₅₀: 1600mg/kg (active ingredient)
Fish/rainbow trout/LC₅₀ (96h): 1.4mg/l (active ingredient)
Bees: not dangerous to bees when used as directed.
Daphnia EC₅₀ (48h): ND
Persistence: Degradation: ND
Bioaccumulation: ND

13. Disposal consideration

Disposal of product: Wear protective clothing according to paragraph 8. Package product wastes. Close and label receptacles and dispose of in an incinerator approved for chemicals according to national regulations.
Disposal of packaging: Dispose of damaged containers in an approved incinerator for chemicals or in a landfill site according to national regulations.

14. Transport information

RID/ADR: Not regulated
IMDG – Code: Not regulated
ICAO-IATA: Not regulated
Other information: Not dangerous cargo. Keep dry. Keep separated from foodstuffs.

15. Regulatory information

Classification: Not required
R-phrases: None
S-phrases: 2 – 24-36/37-46

16. Other information

Source: TRC toxicity reports, The Pesticide Manual, Babolna Bio TDS, Babolna Msds15/3/04.

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